

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) ~~In a method for depositing a calcium getter film in an electronic vacuum device, by Vaporizing a powder of a Ca-Al alloy within a sealed device under vacuum, an improvement for substantially reducing the amount of hydrogen released during said vaporizing comprising,~~

~~substituting for the Ca-Al alloy powder, a powder of a Ca-Ba-Al ternary alloy composed of between 50% and 60% by weight of aluminum, between 30% and 45% by weight of calcium and between 1.5% and 15% by weight of barium within a sealed device under vacuum~~

~~an improvement for whereby the result is substantially reducing the amount of hydrogen released during a thin film coating process. during said vaporizing comprising,~~

2-14 (Cancelled).

15. (New) Ca-Ba-Al ternary alloys containing between 53% and 56.8% by weight of aluminum, between 36% and 41.7% by weight of calcium and between 1.5% and 11% by weight of barium.

16. (New) The alloys according to claim 15, wherein the barium content is included between 2.5% and 5% by weight.

17. (New) A getter for device evaporating calcium formed of a metallic container open at the upper part, wherein a packet of compressed powders of an alloy of claim 15, is present.

18. (New) The getter device according to claim 17, wherein said powders have a granulometry lower than 500µm.

19. (New) The getter device according to claim 18, wherein said powders have a granulometry lower than 250 μ m.
20. (New) The getter device according to claim 18, wherein said powders have a granulometry included between 45 and 150 μ m.
21. (New) The getter device according to claim 17, wherein said packet of powders further contains powders of a metal chosen among nickel and titanium or a mixture thereof.
22. (New) The getter device according to claim 21, wherein said metal powders have a granulometry lower than 100 μ m.
23. (New) The getter device according to claim 22, wherein said metal powders have a granulometry included between 20 and 70 μ m.
24. (New) The getter device according to claim 21, wherein the weight ratio between the Ca-Ba-Al alloy and the metal is included between 1:3 and 3:1.
25. (New) The getter device according to claim 24, wherein said ratio is about 1:1.

26. (New) The getter device according to claim 17, further containing a compound chosen among iron nitride, germanium nitride or mixtures thereof in a quantity up to 5% with respect to the total weight of the powders.
27. (New) The getter device according to claim 17, wherein said packet of powders has a free surface having from two to eight radial depressions.
28. (New) The getter device according to claim 17, wherein in said packet of powders there is a discontinuous metallic element, essentially parallel to the bottom of the container.